

**CLAIMS:**

1. A page binding device for binding printed pages, the device comprising:  
a support tray for receiving and stacking printed pages to form a bound document;  
5 an adhesive applicator for applying a two part adhesive to the printed pages, the two part adhesive having a first part and a second part, wherein the first part and the second part must contact each other to form an adhesive bond, the adhesive applicator adapted to apply the first part of the adhesive to one side of the printed pages and the second part of the adhesive is applied to the opposite side of the page; and,  
10 a page conveyor for sequentially feeding pages along a paper path from the adhesive applicator to the support tray; wherein during use,  
the printed pages are stacked in the support tray such that the first part of the adhesive on one page contacts the second part of the adhesive on the adjacent page in the adjacent page in the stack.  
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2. The page binding device of claim 1 wherein the printhead assembly is a duplexed printhead assembly adapted to print on both sides of a page and the adhesive applicator is integrally incorporated into the duplexed printhead assembly.
- 20 3. The page binding device of claim 1 wherein the pages are conveyed in a landscape orientation.
4. The page binding device of claim 1 wherein the device has a vibrator interacting with the tray so as to induce vibration therein to assist in alignment of the pages of the  
25 stack.
5. The page binding device of claim 1 wherein the tray has a base including at least one corner portion that is lower than other portions of the base.
- 30 6. The page binding device of claim 1 wherein the tray includes at least two side walls extending substantially perpendicularly to each other and against which perpendicular edges of the pages bear for alignment of the pages within the stack.

7. The page binding device of claim 4 wherein vibration of the tray is dampened by dampers.

8. The page binding device of claim 7 wherein the tray is supported by a frame.

9. The page binding device of claim 8 wherein the tray is suspended from the frame.

10. The page binding device of claim 1 wherein the tray has a press device for compressing the pages, and the base of the tray is of adjustable height relative to the press device to ensure that an upper page of the stack is situated at a predefined level for interaction with the press device.

11. A method of binding pages from a printer into a bound document, the method comprising:

applying a two part adhesive to the printed pages, the two part adhesive having a first part and a second part, wherein the first part and the second part must contact each other to form an adhesive bond, wherein the first part of the adhesive is applied to one side of the printed pages and the second part of the adhesive is applied to the opposite side of the page; and,

stacking the pages such that the first part of the adhesive on one page contacts the second part of the adhesive on the adjacent page in the adjacent page in the stack.

12. The method claim of 11 wherein the pages are printed by a duplexed printhead assembly adapted to print on both sides of a page and the adhesive is applied by an adhesive applicator is integrally incorporated into the duplexed printhead assembly.

13. The method of claim 11 wherein the pages are stacked in a support tray having a press device for compressing the pages, and a base adapted for adjustable height relative to the press device to ensure that an upper page of the stack is situated at a predefined level for interaction with the press device.

14. The method of claim 13 wherein said press device includes a plurality of semi-circular disks each spaced apart and fixedly mounted to a rotatably driven shaft.

15. The method of claim 11 wherein the device has a vibrator interacting with the tray so as to induce vibration therein to assist in alignment of the pages of the stack.

5 16. The method of claim 13 wherein the tray has at least two side walls extending substantially perpendicularly to each other, such that perpendicular edges of the pages bear against the side walls to align the pages within the stack.

10 17. The method of claim 15 wherein said vibrator is a subsonic vibrator and the induced vibration is damped by dampers.

18. The method of claim 11 comprising the step, prior to the step of delivering pages, of supporting the tray by a frame.

15 19. The method of claim 17 wherein the step of supporting the tray comprises suspending the tray from the frame.

20 20. The method of claim 11 wherein the step of supporting the tray comprises providing dampers such that the dampers extend from the tray to the frame.

21. The method of claim 11 wherein the step of inducing vibration comprises inducing vibration by the vibrator wherein the vibrator is a subsonic vibrator.

25 22. The method of claim 14 comprising the step of adjusting the height of the support surface relative to the press device, thereby ensuring that an upper page of the stack is situated at a predefined level for interaction with the press device.